

REMARKS/ARGUMENTS

Favorable reconsideration of this application, in light of the following discussion, is respectfully requested.

Claims 1-14 and 32-44 have been rejected under 35 U.S.C. § 112, first paragraph, as being based upon a disclosure which is not enabling. New Claims 45 and 46 have been added and thus, Claims 1-14 and 32-46 remain active.

In response to the above-noted rejection of the claims as being based upon a disclosure which is not enabling, it is to be noted that a plurality of discussions are set forth in the application that are directed to means enabling an increase in the magnitude of a magnetic field. Particularly, reference to the same can be found at the following paragraphs: paragraphs [0027], [0032], [0033], [0036], [0041], [0050], [0051], [0052], [0057], [0059], [0076], [0082], [0088], [0090], [0097], and [0112].

Applicants particularly note that paragraph [0051] states that “a method of cleaning the object to the cleaned, in which the magnetic field performs the cleaning operation by changing in order the magnetic field mode exerted on the same position of the cleaned object by use of the magnetic field generating device” which clearly provides proper support of the claim limitation of means enabling an increase of the magnitude of the magnetic field. Similarly, paragraph [0076] states that a magnetic fluid 11, is put in the interior, the cleaned object of comparatively complicated shape can be rubbingly cleaned following the shape of the inner wall surface 7 of the cleaned object 2 and that, by changing the material, the composition and the thickness of the covering film 13, or by changing, in various ways, the intensity and the direction of the magnetic field generated by the magnetic field generating device 5, various variations can be applied to the cleaning effect.

It is further noted that in paragraph [0082] it is stated that, in the sixth embodiment of the invention, as shown in Figure 7, a magnetic field generating device 5 generating the

magnetic field from the electromagnet provided therein is applied with the alternate-current voltage by an electric power source 18. Thereby, the magnetic field generated from the magnetic field generating device 5 is converted to an alternate-current (AC) magnetic field such that a magnetic field changing device can be realized in the above-mentioned operation. The frequency and the intensity (amplitude) can be adjusted at the side of the power source 18 and the optimum setting can be selected by the construction of the cleaning medium 3 guided into the interior of the cleaned object 2.

It is further noted that in paragraph [0088] it is stated that after cleaning the interior of the cleaned object 2, the power source 18 applies the magnetic field of a predetermined intensity (amplitude) stronger than that of the magnetic field applied at the time of cleaning to the cleaning medium 3 from the magnetic poles 8, 8 contained in the power source 18. As a result, the cleaning medium 3 is pushed with a strong force to the inner wall 21 of the cleaned object 2.

Paragraph [0082] supports the limitations of the limitations of the present invention by stating that in the sixth embodiment of the invention, as shown in Figure 7, a magnetic field generating device 5 generating the magnetic field from the electromagnet provided therein is applied with the alternate-current voltage by an electric power source 18. As a result, the magnetic field generated from the magnetic field generating device 5 is converted to the alternate-current (AC) magnetic field.

Paragraph [0097] also contains reference to the fact that the magnetic field generating device 5 is moved by the movement device 9 and that when at least one of the magnitude (intensity) and the direction of the magnetic field is successfully changed, the rubbing materials 24, 24 are moved by the force exerted on the magnetic poles 8, 8 as the drive source.

Lastly, paragraph [0112] states that the cleaning force can be easily adjusted with the strength of the magnetic force due to the magnetic field.

In view of the above-noted discussion, it is respectfully submitted that full support of the limitations set forth in Claims 1-14 and 32-44 of means enabling an increase in the magnitude of the magnetic field is properly provided.

New Claims 45 and 46 have been added to clarify the magnetic field changing device of the system of Claims 1 and 32, respectively, by stating that the magnetic field changing device includes a driving mechanism configured to be moved by the magnetic field generating device. In this regard, it is felt that support for these limitations is set forth in paragraph [0058] which states that, as shown in Figure 1, by changing the position of the magnetic pole 8, 8 of the magnetic field generating device 5 by use of a movement device 9, at least one of the direction and strength of the magnetic field 5 can be successfully changed.

In view of the foregoing, it is submitted that proper support in the present application appears for all limitations now claimed. In this regard, it is further noted that Claim 1 has now been amended so as to include the limitations of former Claim 7, now canceled, and Claim 32 has been amended so as to now include the limitations of former Claim 38, now canceled. In this regard, it is further submitted that none of the limitations of Claims 1, 32 or any of the claims dependent therefrom is taught or disclosed by any of the prior art of record and in particular not by the disclosure in any of Malin, Komanduri and Nakano which were previously utilized to reject pending Claims 1-14 in the present application.

In view of the foregoing, entry of this amendment and an indication of allowability over the prior art of record is believed to be in order and the same is hereby respectfully requested.

In view of the fact that the foregoing arguments are for the purpose of properly replying to the Examiner's rejection of the claims under 35 U.S.C. § 112, first paragraph,

entry of this Request for Reconsideration After Final Rejection is respectfully requested.

Furthermore, insofar as none of the prior art of record teach or disclose the above-emphasized limitations of Claims 1-14 and 32-44, it is submitted that such claims merit favorable reconsideration and the same is hereby respectfully requested.

Respectfully submitted,

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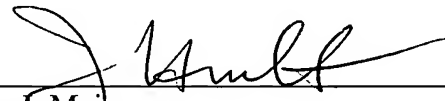
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